

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
30 June 2005 (30.06.2005)

PCT

(10) International Publication Number
WO 2005/060209 A1

(51) International Patent Classification⁷: **H04L 29/06**,
H04Q 7/38, **H04L 12/28**

(21) International Application Number:
PCT/SE2004/001068

(22) International Filing Date: **30 June 2004 (30.06.2004)**

(25) Filing Language: **English**

(26) Publication Language: **English**

(30) Priority Data:
PCT/SE03/01965
17 December 2003 (17.12.2003) SE

(71) Applicant (for all designated States except US): **TELEFONAKTIEBOLAGET LM ERICSSON (publ)**
[SE/SE]; S-164 83 Stockholm (SE).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **SIMONSSON,**

Arne [SE/SE]; Sandäkersvägen 25, S-954 33 Gammelstad (SE). FURUSKÄR, Anders [SE/SE]; Ångströmsgatan 5, S-112 69 Stockholm (SE). PETTERSSON, Jonas [SE/SE]; Mjölkkuddsvägen 113, S-973 43 Luleå (SE). SVENSSON, Björn [SE/SE]; Docentvägen 69, S-977 52 Luleå (SE).

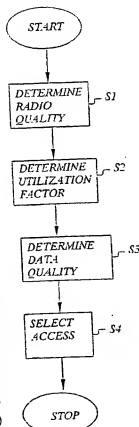
(74) Agent: **AROS PATENT AB; P.O. Box 1544, S-751 45 Uppsala (SE).**

(81) Designated States (unless otherwise indicated, for every kind of national protection available): **AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.**

[Continued on next page]

(54) Title: **METHOD, SYSTEM AND A MOBILE COMMUNICATION STATION ADAPTED FOR SELECTION OF AN ACCESS NETWORK**

(57) Abstract: In a method of selecting an access network from among one or more access networks capable of providing service to a mobile communication station, a radio quality from the terminal to each access network is determined (S1), for each access network, a utilization factor for at least one node is determining (S2), for each access network, a user perceived data quality, based on said determined utilization factor and said determined radio quality for the access network, is determined (S3), and at least one of said access networks, is selected (S4) based on the determined user perceived quality, whereby an improved user perceived data quality is enabled.



WO 2005/060209 A1



- *) (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

Published:

— with international search report